

adhering the thin film transistors to a transfer material with an adhesive layer;

producing exfoliation in the separation layer and/or at an interface of the separation layer and the substrate to separate the substrate from the separation layer; and

removing any portion of the separation layer remaining on the pixel electrodes to form an active matrix substrate using the transfer material as a new substrate.

2. The method of manufacturing an active matrix substrate according to claim 1, wherein the step of selectively removing at least a portion of the insulation film comprises forming contact holes for electrically connecting the pixel electrodes to the thin film transistors.

3. The method of manufacturing an active matrix substrate according to claim 2, further comprising connecting the pixel electrodes directly to an impurity layer which constitutes the thin film transistors.

4. The method of manufacturing an active matrix substrate according to claim 2, further comprising the steps of: forming electrodes connected to an impurity layer which constitutes the thin film transistors; and

connecting the pixel electrodes to the corresponding electrodes connected to the impurity layers.

5. The method of manufacturing an active matrix substrate according to claim 1, further comprising the step of forming at least one of a color filter and a light shielding film after the step of forming the pixel electrodes.

6. The method of manufacturing an active matrix substrate according to claim 1, wherein in selectively removing at least a portion of the insulation film, at least a portion of the insulation film is selectively removed from a region where an external connection terminal is to be provided.

7. The method of manufacturing an active matrix substrate according to claim 6, further comprising the step of forming the external connection terminal as a conductive layer made of a same material as the pixel electrodes or a same material as an electrode connected to an impurity layer which constitutes the thin film transistors.

8. A method of manufacturing an active matrix substrate comprising a pixel portion including thin film transistors connected to scanning lines and signal lines arranged in a matrix, and pixel electrodes connected to terminals of the thin film transistors, the method comprising the steps of:

forming a separation layer on a substrate;

forming an intermediate layer on the separation layer;

forming the thin film transistors on the intermediate layer;

forming an insulation film on the thin film transistors and the intermediate layer;

selectively removing at least a portion of the insulation film where each of the pixel electrodes is to be formed;

forming each of the pixel electrodes on the insulation film and the separation layer in the region where at least a portion of the insulation film is removed;

adhering the thin film transistors to a transfer material with an adhesive layer;

producing exfoliation in the separation layer and/or at an interface of the separation layer and the substrate to separate the substrate from the separation layer; and

removing any portion of the separation layer remaining on the intermediate layer and the pixel electrodes to form an active matrix substrate using the transfer material as a new substrate.

9. The method of manufacturing an active matrix substrate according to claim 8, wherein the step of selectively removing at least a portion of the insulation film comprises

forming contact holes for electrically connecting the pixel electrodes to the thin film transistors.

10. The method of manufacturing an active matrix substrate according to claim 9, further comprising connecting the pixel electrodes directly to an impurity layer which constitutes the thin film transistors.

11. The method of manufacturing an active matrix substrate according to claim 9, further comprising the steps of:

forming electrodes connected to an impurity layer which constitutes the thin film transistors; and

connecting the pixel electrodes to the corresponding electrodes connected to the impurity layers.

12. The method of manufacturing an active matrix substrate according to claim 8, further comprising the step of forming at least one of a color filter and a light shielding film after the step of forming the pixel electrodes.

13. The method of manufacturing an active matrix substrate according to claim 8, wherein in selectively removing at least a portion of the insulation film, at least a portion of the insulation film is selectively removed from a region where an external connection terminal is to be provided.

14. The method of manufacturing an active matrix substrate according to claim 13, further comprising the step of forming the external connection terminal as a conductive layer made of a same material as the pixel electrodes or a same material as an electrode connected to an impurity layer which constitutes the thin film transistors.

15. A method of manufacturing an active matrix substrate comprising a pixel portion including thin film transistors connected to scanning lines and signal lines arranged in a matrix, and pixel electrodes connected to terminals of the thin film transistors, the method comprising the steps of:

forming a separation layer on a transmissive substrate;

forming the thin film transistors over the separation layer or on an intermediate layer formed on the separation layer;

forming an insulation film on the thin film transistors;

forming the pixel electrodes made of a conductive material on the insulation film;

forming a light shielding layer that is overlapped with the thin film transistors, and not overlapped with at least a portion of the pixel electrodes;

adhering the thin film transistors and the light shielding layer to a transmissive transfer material with a transmissive adhesive layer;

irradiating the separation layer through the transmissive substrate to produce exfoliation in the separation layer and/or at an interface of the separation layer and the transmissive substrate to separate the transmissive substrate from the separation layer;

forming a photoresist on a surface obtained by separating the transmissive substrate or the surface of a layer appearing after removing any remaining portion of the separation layer;

irradiating light to expose only a predetermined portion of the photoresist using the light shielding layer as a mask, followed by development to form a desired photoresist mask;

selectively removing at least a portion of the intermediate layer and the insulation film or at least a portion of the insulation film by using the photoresist mask; and

removing the photoresist mask to form an active matrix substrate using the transfer material as a new substrate.

16. A method of manufacturing an active matrix substrate comprising a pixel portion including thin film transistors

connected to scanning lines and signal lines arranged in a matrix, and pixel electrodes connected to terminals of the thin film transistors, the method comprising the steps of:

- forming a separation layer on a substrate;
- forming the pixel electrodes over the separation layer or on an intermediate layer formed on the separation layer;
- forming an insulation film on the pixel electrodes, and forming the thin film transistors on the insulation film to respectively connect the thin film transistors to the pixel electrodes;
- adhering the thin film transistors to a transmissive transfer material with a transmissive adhesive layer;
- producing exfoliation in the separation layer and/or at an interface of the separation layer and the substrate to separate the substrate from the separation layer; and
- removing any portion of the separation layer remaining on the intermediate layer to form an active matrix substrate using the transfer material as a new substrate.

17. The method of manufacturing an active matrix substrate according to claim 16, further comprising forming a conductive material layer on the separation layer or on the intermediate layer at a position where an external connection terminal is to be formed.

18. An active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 1.

19. An active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 8.

20. An active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 15.

21. An active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 16.

22. A liquid crystal display device comprising an active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 1.

23. A liquid crystal display device comprising an active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 8.

24. A liquid crystal display device comprising an active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 15.

25. A liquid crystal display device comprising an active matrix substrate manufactured by the method of manufacturing an active matrix substrate according to claim 16.

26. A transfer method for transferring a thin film device formed on a substrate onto a transcriptional body, the method comprising:

- forming a separation layer over a substrate;
- forming the thin film device over the separation layer;
- forming an insulation film over the thin film device and the separation layer;
- selectively removing at least a portion of the insulation film;
- and
- forming at least one of a first electrode connected to the thin film device and an external connection terminal in an area where the insulation film is removed.

27. The transfer method according to claim 26, further comprising:

- adhering the thin film device to a transfer material with an adhesive layer.

28. The transfer method according to claim 27, further comprising:

- producing exfoliation in the separation layer and/or at an interface of the separation layer and the substrate to separate the substrate from the separation layer.

29. The transfer method according to claim 28, further comprising:

- removing any portion of the separation layer remaining on the first electrode to form an active matrix substrate using the transfer material as a new substrate.

30. The transfer method according to claim 26, selectively removing at least a portion of the insulation film including forming at least one contact hole for electrically connecting the first electrode to the thin film device.

31. The transfer method according to claim 30, further comprising connecting the first electrode directly to an impurity layer which constitutes the thin film device.

32. The transfer method according to claim 30, further comprising:

- forming at least one of a second electrode connected to an impurity layer which constitutes the thin film device; and
- connecting the first electrode to the corresponding second electrode connected to the impurity layer.

33. The transfer method according to claim 26, further comprising forming at least one of a color filter and a light shielding film after forming the first electrode.

34. The transfer method according to claim 26, selectively removing at least a portion of the insulation film includes selectively removing at least a portion of the insulation film from a region where an external connection terminal is to be provided.

35. The transfer method according to claim 34, further comprising forming the external connection terminal as a conductive layer made of a same material as the first electrode or a same material as a second electrode connected to an impurity layer which constitutes the thin film device.

36. A transfer method for transferring a thin film device formed over a substrate onto a transcriptional body, the method comprising:

- forming a separation layer over a substrate;
- forming an intermediate layer over the separation layer;
- forming the thin film device over the intermediate layer;
- forming an insulation film over the thin film device and the separation layer;
- selectively removing the intermediate layer; and
- forming at least one of a first electrode connected to the thin film device and an external connection terminal in an area where the insulation film is removed.

37. The transfer method according to claim 36, further comprising:

- adhering the thin film device to a transfer material with an adhesive layer.

38. The transfer method according to claim 37, further comprising:

- producing exfoliation in the separation layer and/or at an interface of the separation layer and the substrate to separate the substrate from the separation layer.

39. The transfer method according to claim 38, further comprising:

- removing any portion of the separation layer remaining on the intermediate layer and the first electrode to form an active matrix substrate using the transfer material as a new substrate.

40. The transfer method according to claim 37, selectively removing at least a portion of the insulation film including

forming contact holes for electrically connecting the electrode to the thin film device.

41. The transfer method according to claim 40, further comprising connecting the first electrode directly to an impurity layer which constitutes the thin film device.

42. The transfer method according to claim 40, further comprising:
forming at least one second electrode connected to an impurity layer which constitutes the thin film device; and
connecting the first electrode to the corresponding second electrode connected to the impurity layer.

43. The transfer method according to claim 37, further comprising forming at least one of a color filter and a light shielding film after forming the first electrode.

44. The transfer method according to claim 37, selectively removing at least a portion of the insulation film includes selectively removing at least a portion of the insulation film from a region where an external connection terminal is to be provided.

45. The transfer method according to claim 44, further comprising forming the external connection terminal as a conductive layer made of a same material as the first electrode or a same material as a second electrode connected to an impurity layer which constitutes the thin film device.

46. A transfer method for transferring a thin film device formed on a substrate onto a transcriptional body, the method comprising:

forming a separation layer over a substrate;
forming the thin film device over the separation layer;
forming an insulation film over the thin film device and the separation layer;

forming at least one of an electrode connected to the thin film device and an external connection terminal over the insulation film;
transferring at least one of the thin film device, the electrode,

and the external connection terminal onto a transcriptional body; and
selectively removing the insulation layer to expose at least one of the electrode and the external connection terminal.

47. The transfer method according to claim 46, further comprising:
forming a light shielding layer that is overlapped with the thin film device, and not overlapped with at least a portion of the electrode.

48. The transfer method according to claim 47, transferring at least one of the thin film device, the electrode, and the external connection terminal onto a transcriptional body including:

adhering the thin film device and the light shielding layer to a transmissive transfer material with a transmissive adhesive layer; and

irradiating the separation layer through the transmissive substrate to produce exfoliation in the separation layer and the transmissive substrate to separate the transmissive substrate from the separation layer.

49. The transfer method according to claim 48, selectively reviewing the insulation layer to expose at least one of the electrode and the external connection terminal including:

forming a photoresist on a surface obtained by separating the transmissive substrate;
irradiating light to expose only a predetermined portion of the photoresist using the light shielding layer as a mask,

followed by development to form a desired photoresist mask; and
selectively removing at least a portion of the insulation film by using the photoresist mask.

50. The transfer method according to claim 49, further comprising:
removing the photoresist mask to form an active matrix substrate using the transfer material as a new substrate.

51. A transfer method for transferring a thin film device formed on a substrate onto a transcriptional body, the method comprising:
forming a separation layer over a substrate;
forming at least one of an electrode connected to the thin film device and an external connection terminal on the separation layer;

forming at least one of the electrode and the external connection terminal and then forming the thin film device;
and
transferring at least one of the thin film device, the electrode, and the external connection terminal onto a transcriptional body to expose at least one of the electrode and the external connection terminal.

52. The transfer method according to claim 51, further comprising:
adhering the thin film device to a transmissive transfer material with a transmissive adhesive layer.

53. The transfer method according to claim 52, further comprising:
producing exfoliation in the separation layer to separate the substrate from the separation layer.

54. The transfer method according to claim 51, further comprising forming a conductive material layer on the separation layer where an external connection terminal is to be formed.

55. A device comprising:
a substrate;
an adherent layer formed over the substrate;
a thin film device being attached to the substrate with the adherent layer; and
at least one insulation film, which is positioned over the thin film device with respect to the adherent layer, and an intermediate layer, which is positioned between the thin film device and the adherent layer, wherein the one of the insulation film and the intermediate layer has an opening where no thin film device is formed; and

an electrode connected with the thin film device, the electrode being positioned over the adherent layer such that the electrode is substantially exposed at the opening.

56. A device according to claim 55, wherein a contact hole is provided in the intermediate layer and the electrode is connected with the thin film device through the contact hole.

57. A device according to claim 55, the electrode including an external connection terminal that connects with an external circuit.

58. A device according to claim 55, wherein the thin film device is selected from the group including a thin film transistor (TFT), a thin film diode, an electrode, a switching device, a memory, an actuator, magnetic recording thin film head, a coil, an inductor, a filter, a reflector, dichroic mirror and combination thereof.

59. An active matrix substrate comprising the device of claim 55, wherein the electrode includes at least one of pixel electrode and an external connection terminal.

60. An active matrix substrate according to claim 59, further comprising a light shielding layer being positioned over the thin film layer.

61. A liquid crystal display device comprising:

the active matrix substrate of claim 59;

an opposing substrate; and

a liquid crystal material sandwiched between the active matrix substrate and the opposing substrate.

62. A method of manufacturing a device, the method comprising:

forming a separation layer over a substrate;

forming the thin film device over the separation layer;

forming an insulation film over the thin film device and the separation layer;

selectively removing at least a portion of the insulation

film;

and

forming at least one of a first electrode connected to the

thin

film device and an external connection terminal in an area where the insulation film is removed.

63. A method of manufacturing a device, the method comprising:

forming a separation layer over a substrate;

forming an intermediate layer over the separation layer;

forming the thin film device over the intermediate layer;

forming an insulation film over the thin film device and the separation layer;

selectively removing the intermediate layer; and

forming at least one of a first electrode connected to the

thin

film device and an external connection terminal in an area where the insulation film is removed.

64. A method of manufacturing a device, the method comprising:

forming a separation layer over a substrate;

forming the thin film device over the separation layer;

forming an insulation film over the thin film device and the separation layer;

forming at least one of an electrode connected to the thin

film

device and an external connection terminal over the insulation film;

transferring at least one of the thin film device, the

electrode,

and the external connection terminal onto a transcriptional body; and

selectively removing the insulation layer to expose at least one of the electrode and the external connection terminal.

65. A method of manufacturing a device, the method

comprising:

forming a separation layer over a substrate;

forming at least one of an electrode connected to the thin

film

device and an external connection terminal on the

separation

layer;

forming at least one of the electrode and the external

connection terminal and then forming the thin film

device;

and

transferring at least one of the thin film device, the electrode,

and the external connection terminal onto a transcriptional body to expose at least one of the electrode and the

external

connection terminal.